

Claim Amendments

Please amend the pending claims as follows:

1. Canceled.

2. Canceled.

3. Canceled.

4. Canceled.

5. Canceled.

6. Canceled.

7. Canceled.

8. Canceled.

9. Canceled.

10. Canceled.

11. Canceled.

12. Canceled.

13. Canceled.

14. (previously presented) An adaptive filter, comprising:
a finite impulse response (FIR) filter having
a plurality of FIR coefficients wherein said FIR
coefficients are determined by deriving a FIR filter

having a predetermined number of coefficients, obtaining convergence of said coefficients, dividing said coefficients into a first set of coefficients and a second set of coefficients, and adopting the first set of coefficients as the FIR coefficients; and

an infinite impulse response (IIR) filter having a plurality of IIR coefficients wherein said IIR coefficients have a plurality of poles and a plurality of zeroes and are derived from said second set of FIR coefficients.

15. (previously presented) The adaptive filter of claim 14 wherein the zeroes of the IIR coefficients are updated based upon an error input signal.
16. (previously presented) The adaptive filter of claim 14 wherein the poles of the IIR coefficients are fixed.
17. Canceled.
18. Canceled.